

S TK

Work Order ID 132969

132969

Page 1

Wednesday, May 20, 2015 11:43:05 AM

Item ID: 646.9501 Accept *N900040100* Setup Start *NS1*

Revision ID: Stop *NS2*

Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015 Start Qty: 1.00 *1*

Required Date: 5/20/2015 Req'd Qty: 1.00 *1*

Reference: Cust Item ID:

Customer:

Approvals: Process Plan: MLS Date: MAY 20 2015 Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
646.9500	N/C

MLS 15-09-08

100 Document Control 0.00

100

DC Memo 0.00

Doc.Control -USB or Paperwork Photocopy bluefile & type labels per PPP 646.9501

BAS
27
9-09

15/11/30

110 Pick Kit 0.00

110

Packaging Memo 0.00

Packaging

NOV 30 2015

DAS
6
9-09

120 QC4- 100% Inspect kits for completeness 0.00

120

QC Memo 0.00

Quality Control

SMB
15/11/30

DAS
28
9-09

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Work Order ID 132969

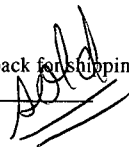
Wednesday, May 20, 2015 11:43:05 AM

132969

Page 2

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 Start Date: 5/20/2015 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 5/20/2015 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 646.9501								
	Location: 								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

IX **DAS**
28
9-89 **NOV 30 2015**

MLJ 15-11-30

20151113 

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																			
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Picklist Print

Wednesday, May 20, 2015 11:43:11 AM

Page 1

Work Order ID: 132969

132969

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.9601		Manufactured	No			110	Each	18.0000	1	1			
646 9601									**				
Upper Cutter Assy													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				cck039				18					
				110249				2					
				117062				7					
				124734				3					
				128183				6					
646.9602		Manufactured	No			110	Each	31.0000	1	1			
646 9602									**				
Lower Cutter Assy High													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK037				13					
				109598				13					
				CCK038				18					
				105805				7					
				112563				1					
				126804				10					
646.9810		Manufactured	No			110	Each	7.0000	1	1			
646 9810									**				
Deflector													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK031				7					
				116938				1					
				125214				6					

DAS
28
9-89

DAS
6
9-89

DAS
28
9-89

DAS
6
9-89

NOV 30 2015

DAS
28
9-89

DAS
6
9-89

NOV 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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132969

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

647.0210 Manufactured No

110 Each 27.0000 1 1

647 0210

Rail

Location Loc Qty Loc Code

CCK089 23

91280 1

91440 22

MF 4

111516 4

647.0110 Manufactured No

110 Each 16.0000 1 1

647 0110

Roof Doubler

Location Loc Qty Loc Code

CCK089 16

116709 12

126232 4

647.0310 Manufactured No

110 Each 35.0000 2 2

647 0310

Channel

Location Loc Qty Loc Code

CCK090 35

113696 6

116955 12

122989 8

128865 6

90799 2

m123185 1

BAS
27
9-89

DAS
6
9-89
NOV 30 2015
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28
9-89

DQA: _____ Date: _____



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646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

646.9910

Manufactured No

110

Each

84.0000

4

4

9-89

646.9910

Struts

DAS

28

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

CCK013

1

106009

1

CCK014

83

93189

83

110

Each

223.0000

8

8

DAS

6

9-89

DAS

28

9-89

647.0112

Manufactured No

647.0112

Strut Bracket

Location

Loc Qty

Loc Code

CCK109

223

112215

34

122245

15

122871

52

123318

30

M130388

92

110

Each

20.0000

2

2

DAS

6

28

9-89

DAS

27

9-89

647.0113

Manufactured No

647.0113

Strut Doubler

Location

Loc Qty

Loc Code

CCK088

20

117071

8

117864

12

110

Each

20.0000

2

2

DAS

28

9-89

DAS

27

9-89

NOV 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Picklist Print

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Page 4

Work Order ID: 132969

132969

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

647.0111 Manufactured No

110 Each 20.0000 1 1

647 0111

Panel

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

Loc Qty

Loc Code

CCK088

20

116830

15

126233

5

647.0116 Manufactured No

110 Each 51.0000 2 2

647 0116

Doubler

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

Loc Qty

Loc Code

cck105

34

126234

22

m126249

12

ST105

17

123001

17

647.0410 Manufactured No

110 Each 8.0000 1 1

647 0410

Tube

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

Loc Qty

Loc Code

cck105

8

125395

4

127917

4

647.0114 Manufactured No

110 Each 62.0000 1 1

647 0114

Clip

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

Loc Qty

Loc Code

cck105

62

106616

62

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Shop Packet Print

Page 4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Page 5

Work Order ID: 132969

132969

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

647.0115 Manufactured No

110 Each

77.0000

1

1

647 0115

Clip

DAS

6

DAS

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

77

106617

77

NAS1149FN832P

Purchased

No

110 Each

3,464.000

111

111

NAS1149FN832P

Washer

13316

DAS

6

DAS

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST260a

1790

125268

1790

st268

1674

125268

725

M130388

949

NAS1149F0332P

Purchased

No

110 Each

3,067.000

62

62

NAS1149F0332P

Washer

133709

DAS

6

DAS

28

9-89

Location

Loc Qty

Loc Code

GA

222

122063

222

ST260a

2586

m128401

6

m131026

80

m131697

2500

st268

259

123900

173

m130388

86

Smb

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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				Lead hand / Supervisor Approval Verification																	
				QC / QA Coordinator Approval																	
<table style="width:100%; border: none;"> <tr> <td style="width:25%; vertical-align: top;"> Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width:25%; vertical-align: top;"> No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> <td style="width:25%; vertical-align: top;"> Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width:25%; vertical-align: top;"> FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> <td style="width:25%; vertical-align: top;"> Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ </td> <td style="width:25%; vertical-align: top;"> Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐ </td> </tr> </table>					Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐											
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																
OTHER : ☐																					

Picklist Print

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Page 6

Work Order ID: 132969

132969

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No

110 Each 400.0000 8 8

AN3-11A

Bolt

**

133234

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST338a

400

m125709

400

MS21042-3 MS21042L3 Purchased No

110 Each 620.0000 17 17

MS21042-3

Nut use MS21042L3

**

~~133234~~

130922

~~130922~~

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CA

501

M129682

501

ST305

119

M128770

10

M129541

15

M130388

94

DAS
27
9-89

CCR264SS-3-06 Purchased No

110 Each 109.0000 8 8

CCR264SS-3-06

Rivet

**

Location

Loc Qty

Loc Code

ST321

109

m128429

9

m131317

100

DAS
27
9-89

NOV 30 2015

DAS
28
9-89

6
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation		Disposition			
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

Picklist Print

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Page 7

Work Order ID: 132969

132969

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

MS21059L08

Purchased

No

110

Each

382.0000

4

4

MS21059L 08

Nut

BAS
27
9-89

Location

Loc Qty

Loc Code

MF4

68

125654

68

ST260a

200

m131697

200

ST302

114

m131624

114

DAS
6
9-89

DAS
28
9-89

CR3213-4-05

Purchased

No

110

Each

254.0000

26

26

CR3213-4-05

RIVET

BAS
27
9-89

Location

Loc Qty

Loc Code

CCK004

100

m131340

100

ST319

154

~~122201~~

150

m129764

4

DAS
6
9-89

DAS
28
9-89

CR3213-4-6

Purchased

No

110

Each

586.0000

20

20

CR3213-4-6

Rivet

BAS
27
9-89

Location

Loc Qty

Loc Code

CCK004

586

M128429

135

M130388

51

M131800

400

DAS
6
9-89

DAS
28
9-89

NOV 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

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Work Order ID: 132969

132969

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-4 Purchased No 110 Each 737.0000 19 19

CR3213-4-4

Rivet, Cherry

63-6
LZ
SVU

Location	Loc Qty	Loc Code
CCK004	732	
126282	500	
M128813	184	
M130388	48	
ST318	5	
M128401	5	

19

DAS
28
9-89

CR3213-4-2 Purchased No 110 Each 510.0000 18 18

CR3213-4-2

Cherry Rivet

DAS
27
9-89

Location	Loc Qty	Loc Code
CCK004	41	
123301	29	
m130388	12	
ST319	469	
m131340	469	

~~726282~~ 128936

DAS
28
9-89

CR3213-4-3 Purchased No 110 Each 557.0000 18 18

CR3213-4-3

Rivet, Cherry

DAS
27
9-89

Location	Loc Qty	Loc Code
CA	7	
123301	7	
CCK004	350	
123301	178	
m129541	100	
m130388	72	
ST318	200	
m131340	200	

18

DAS
28
9-89
NOV 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect				
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish				
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process	OTHER :							
Misidentified ☐	☐ Past Due								

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Work Order ID: 132969

132969

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

MS21047-3 Purchased No

110 Each 48.0000 6 6

DAS
6
9-89

MS21047-3

Nut Plate

**

13303/

DAS
28
9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

ST303

48

m130388

8

m131317

40

MS21042-08 MS21042L08 Purchased No

110 Each 35.0000 54 54

DAS
6
9-89

MS21042-08

USE MS21042L08

**

133483

DAS
28
9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

10

m130388

10

MS27039-08-13 Purchased No

110 Each 449.0000 6 6

DAS
6
9-89

MS27039-08-13

Screw

**

DAS
28
9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

ST273A

346

124326

346

ST281

103

123352

25

4067

69

M123185

1

M130388

8

NOV 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mis-labeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Picklist Print

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Work Order ID: 132969

132969

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

MS21059-3

Purchased

No

110

Each

567.0000

2

2

MS21059-3

Nut Plate

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CA

6

123301

6

ST302

561

123023

50

123185

10

123301

1

123900

500

DAS

27

9-89

2

AN743-13

Purchased

No

110

Each

47.0000

1

1

AN743-13

Bracket

NOV 30 2015

DAS

6

DAS

28

9-89

Location

Loc Qty

Loc Code

ST330

47

M129732

47

DAS

27

9-89

AN3-3A

Purchased

No

110

Each

620.0000

1

1

AN3-3A

Bolt

DAS

6

9-89

NOV 30 2015

DAS

28

9-89

Location

Loc Qty

Loc Code

ST338a

314

m131305

118

m131624

196

ST350

306

m129591

6

m132317

300

DAS

27

9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

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Page 11

Work Order ID: 132969

132969

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

CCR264SS3-04

Purchased

No

110

Each

862.0000

12

12

CCR264SS3-04

Rivet

DAS

6

DAS

9-89

28

9-89

Location

Loc Qty

Loc Code

CCK004

640

123785

400

m129702

240

ST321

222

123352

200

m128454

22

DAS

27

9-89

CR3212-5-4

Purchased

No

110

Each

79.0000

8

8

CR3212-5-4

Cherry Rivet

DAS

6

DAS

28

9-89

9-89

Location

Loc Qty

Loc Code

ST320

79

120410

76

123301

3

DAS

27

9-89

CCR264SS3-2

CCR264SS3-02

Purchased

No

110

Each

28.0000

4

4

CCR264SS3-2

Rivet, Cherry

DAS

6

DAS

28

9-89

9-89

Location

Loc Qty

Loc Code

ST321

28

m132123

28

DAS

27

9-89

NAS1835-08

Purchased

No

110

Each

88.0000

4

4

NAS1835-08

Insert

DAS

6

DAS

28

9-89

9-89

Location

Loc Qty

Loc Code

ST265

88

m128770

28

m129913

60

DAS

27

9-89

NOV 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Picklist Print

Wednesday, May 20, 2015 11:43:14 AM

Page 12

Work Order ID: 132969

132969

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-1

Purchased

No

110

Each

162.0000

14

14

CR3213-4-1

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST320

162

m126254

62

m131340

100

MS27039-1-08

Purchased

No

110

Each

962.0000

5

5

MS27039-1-08

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

96

m128636

96

FP001

401

m128636

401

GA

2

125654

2

ST285

463

m128636

463

647.1210

Manufactured

No

110

Each

13.0000

1

1

647.1210

Screen

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

13

112398

5

126236

8

DAS
6
9-89
NOV 30 2015
DAS
28
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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		OTHER :																																																																					

Picklist Print

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Page 13

Work Order ID: 132969

Parent Item: 646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

132969

646 9501

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

MS35842-11

Purchased

No

110

Each

12.0000

1

1

MS35842-11

Hose Clamp

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

ST274

Loc Qty

12

Loc Code

m128770

2

m130238

10

MS27039-08-11

Purchased

No

110

Each

246.0000

43

43

MS27039-08-11

SCREW

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

ST282

Loc Qty

246

Loc Code

m130358

246

MS27039-08-06

Purchased

No

110

Each

176.0000

4

4

MS27039-08-06

Screw

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

ST282

Loc Qty

176

Loc Code

125646

53

m126249

123

MS27039-08-09

Purchased

No

110

Each

106.0000

4

4

MS27039-08-09

Screw

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

ST282

Loc Qty

106

Loc Code

m127904

10

m131317

96

NOV 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER :			

Picklist Print

Wednesday, May 20, 2015 11:43:14 AM

Work Order ID: 132969

132969

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-12

Purchased

No

110

Each

174.0000

2

2

6
9-89

MS27039-08-12

Screw

Location

Loc Qty

Loc Code

ST273A

65

123352

65

ST273B

100

124326

100

ST281

9

123900

2

1850

7

DAS
28
9-89

DAS
27
9-89

DAS
6
9-89

MS27039-1-11

Purchased

No

110

Each

379.0000

5

5

MS27039-1-11

Screw

Location

Loc Qty

Loc Code

CA

253

124326

253

GA

33

125654

13

9662

20

ST285

93

m131317

93

DAS
28
9-89

DAS
27
9-89

DAS
6
9-89

CR3212-4-4

CR3212-4-04

Purchased

No

110

Each

0.0000

1

1

CR3212-4-4

CHERRY RIVET

04

132317

5/20/2015

DAS
27
9-89

DAS
28
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

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Work Order ID: 132969

132969

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

MS24694-S8

Purchased No

110

Each

98.0000

5

5

MS24694-S8

Screw

**

~~132971~~

DAS

6

DAS

28

9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

ST290

98

123352

1

M129909

97

AN3-10A

Purchased No

110

Each

285.0000

8

8

AN3-10A

Bolt

**

133694

DAS

6

9-89

Location

Loc Qty

Loc Code

GA

17

m131320

17

ST338a

68

m130466

68

ST349

200

m131957

4

m132317

196

600.0990

Purchased No

110

Each

60.0000

1

1

600.0990

MAGNABOND 6398 PART A

**

Location

Loc Qty

Loc Code

CA2

60

M130388

1

M129818

32

M131589

27

7/16/2015

2/11/2016

BAS
27
9-89

DAS

6

9-89

NOV 30 2015

DAS

28

9-89

Picklist Print

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Work Order ID: 132969

132969

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 5/20/2015

Required Date: 5/20/2015

Start Qty: 1.00

Required Qty: 1.00

600.0991	Purchased	No	110	Each	65.0000	1	1		DAS 6 9-89
600 0991									
MAGNOBOND 6398 PART B									

DAS
27
9-89

Location

Loc Qty

Loc Code

CA2

60

m130388

1

M129818

31

7/16/2015

m131589

28

2/11/2016

MF

5

130685

5

600.1012	Purchased	No	110	Each	16.0000	1	1		DAS 6 9-89
600 1012									
Sealant PR1425B2 (#654 sem)									

** (32805

Location

Loc Qty

Loc Code

cck017

14

m131364

14

10/30/2015

cck018

2

m129749

2

DAS
27
9-89

NOV 30 2015

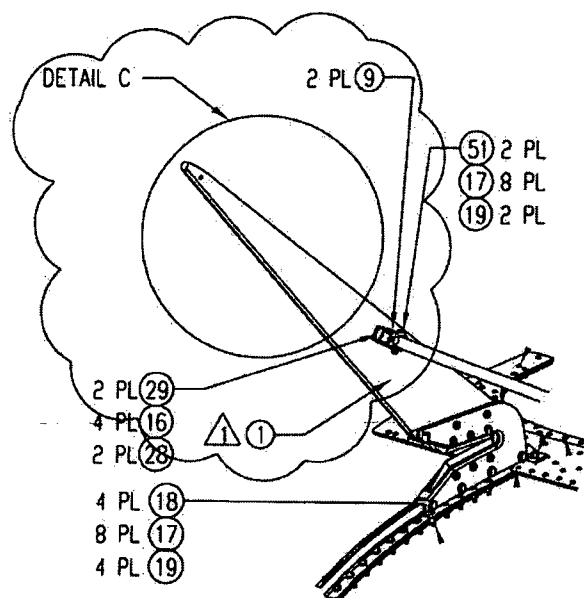
DAS
28
9-89

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: NC	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>		QC <i>[Signature]</i>		EFF: NEXT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS. ADDED NOTE 2.				

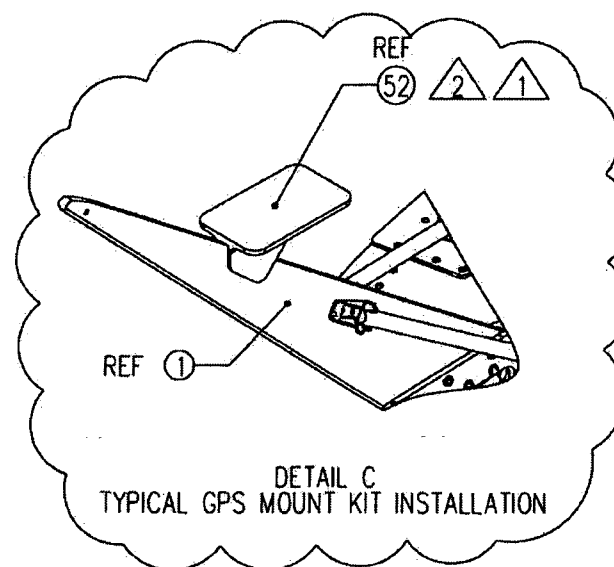
SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:



SHEET 2, ZONE B2 IS:



132969 MWS
1505-20

52	A	647.5701	REF	REF	GPS MOUNT KIT	2	
F/N	TC	PART NUMBER	.9502	.9501	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:			☐ MDL ☐ INSTALL INSTRUC ☐ ICA ☒ BOM			CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO

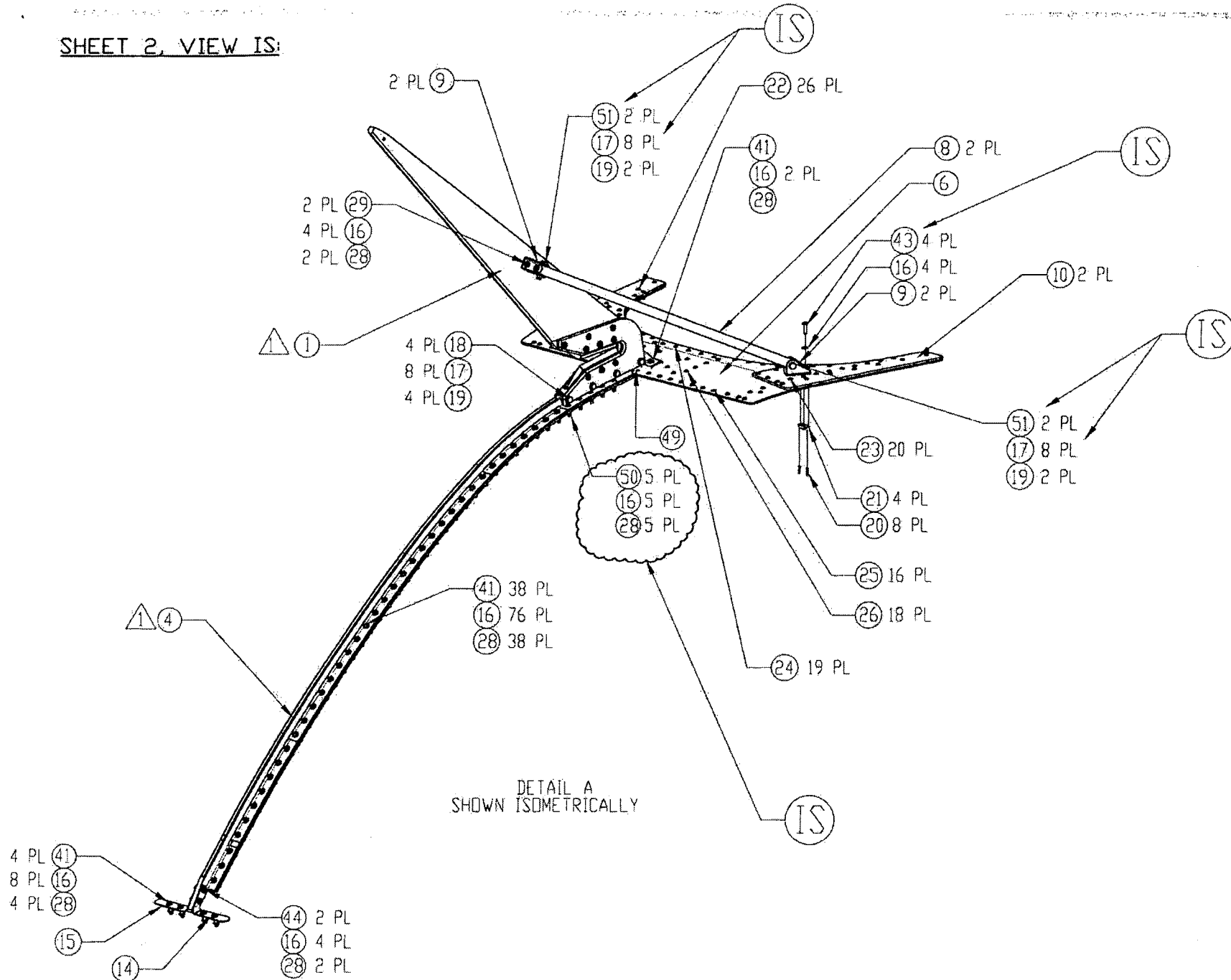
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT. ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF.	CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS				

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						DER REVIEW REQUIRED ☐ YES ☒ NO

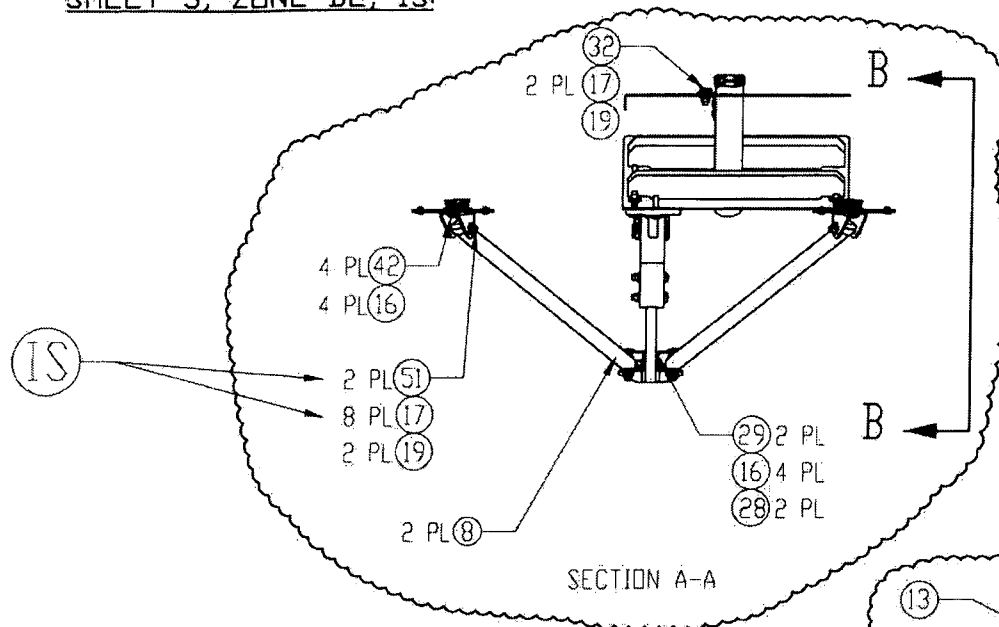
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729			SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT				
	APPROVED BY: ENGR <i>[Signature]</i>	MEG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

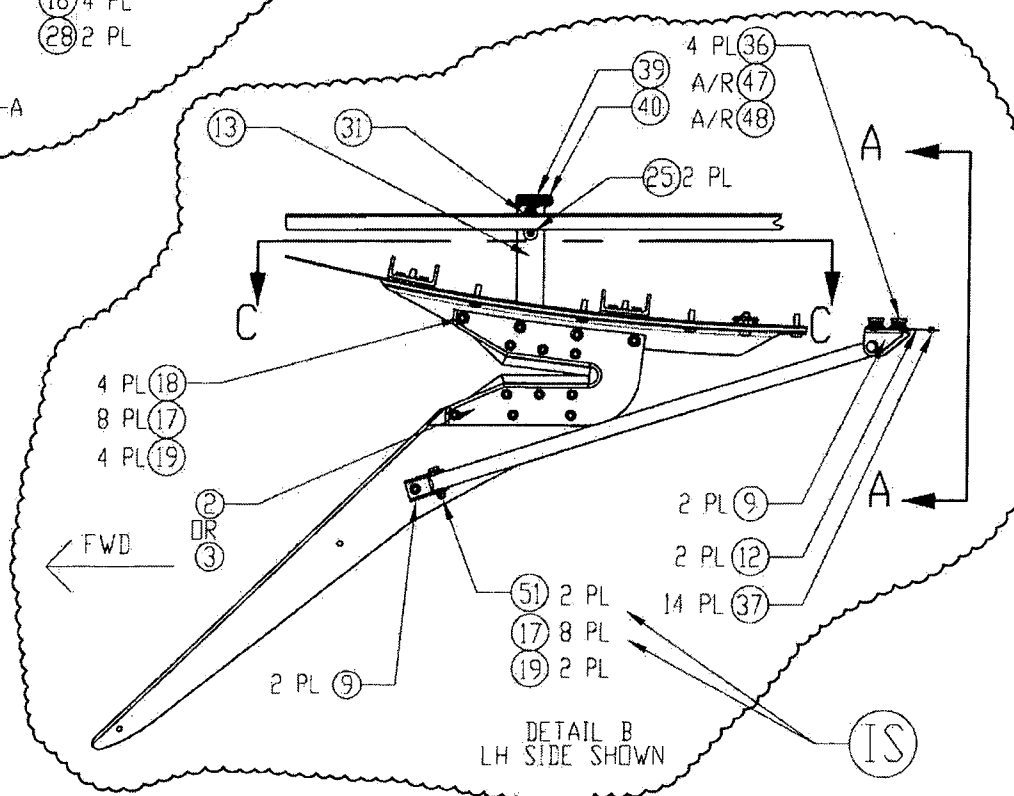
SHEET 2, VIEW IS:



SHEET 3, ZONE B2, IS:



SHEET 3, ZONE D2, IS:



DETAIL B

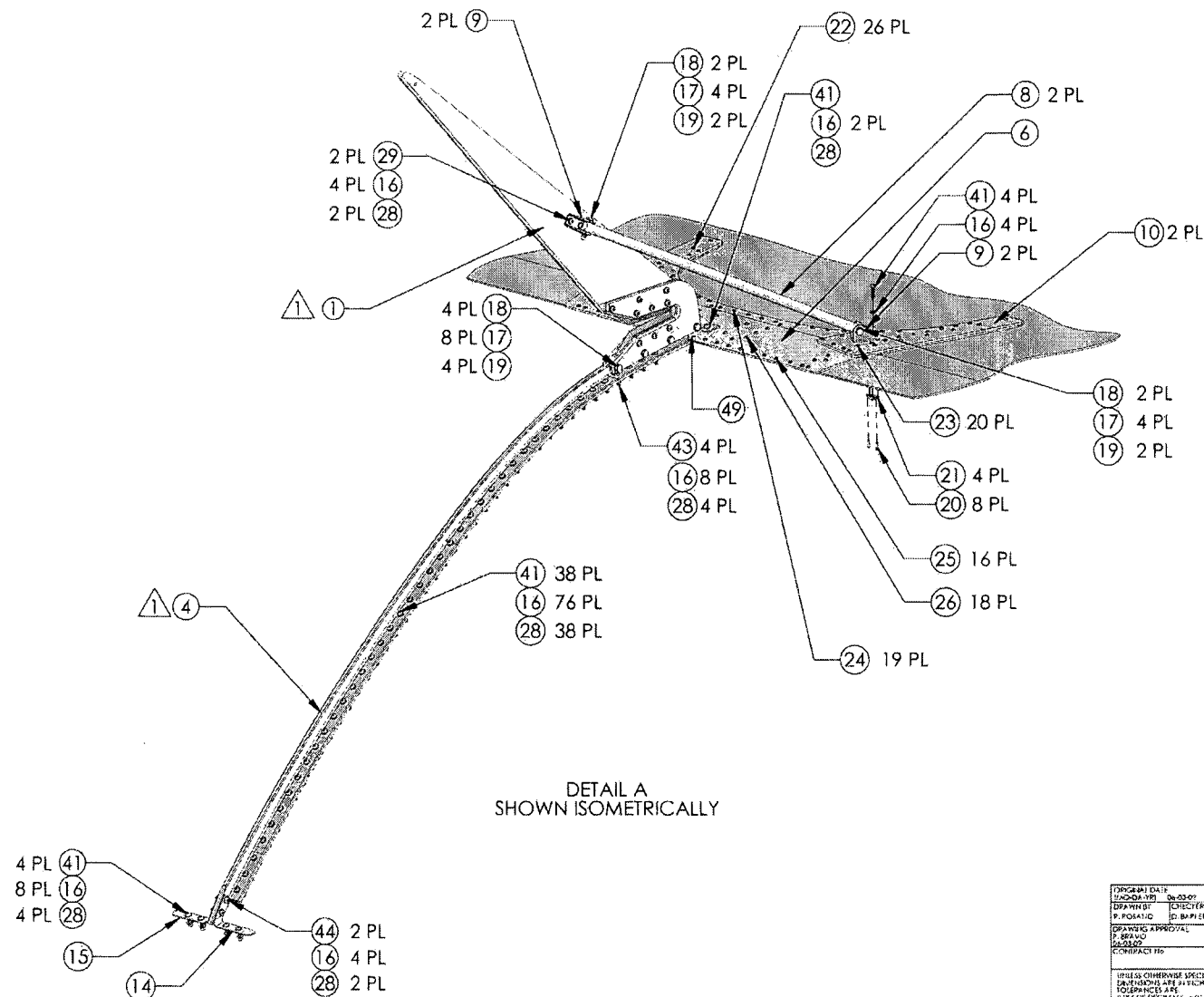
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVE
	LAST PROTOTYPE REVISION: PRC		HJC
HJC	FINAL RELEASE	05/03/09	P. BRAY

47	47	41	601.2893	SCREW	M527039-081	
1	1	40	601.2982	HOSE CLAMP	M535842-11	
1	1	39	647.1210	SCREEN		
5	5	38	601.1621	SCREW	M527039-158	
14	14	37	601.2979	RIVET	CR3213-4-1	
4	4	36	601.2984	INSERT	MAS1835-08	
4	4	35	601.2277	RIVET	CRP2M55-342	
8	8	34	601.2983	RIVET	CR3212-5-4	
12	12	33	601.2980	NUTPLATE RIVET	CRP2M55-304	
1	1	32	601.2822	BOLT	AN3-3A	
1	1	31	601.2985	BRACKET	AN74313	
2	2	30	601.1900	NUTPLATE	M521059-3	
6	6	29	601.2988	SCREW	M527039-0813	
53	53	28	601.2973	LOCKNUT	M521042-08	
6	6	27	600.0795	NUTPLATE	M521047-3	
18	18	26	601.0790	RIVET	CR3213-4-3	
18	18	25	601.1039	RIVET	CR3213-4-2	
19	19	24	601.1915	RIVET	CR5213-4-6	
20	20	23	601.2991	RIVET	CR3213-4-6	
26	26	22	601.1183	RIVET	CR3213-4-5	
4	4	21	601.2356	NUTPLATE	M52102580B	
8	8	20	601.2981	NUTPLATE RIVET	CRP2M55-306	
17	17	19	601.2943	LOCKNUT	M521042-3	
16	16	18	601.2826	BOLT	AN3-11A	
46	46	17	601.1607	WASHER	115311496335P	
114	114	16	601.2764	WASHER	14511491162P	
1	1	15	647.0115	CLIP		
1	1	14	647.0114	CLIP		
1	1	13	647.0410	TUBE		
2	2	12	647.0116	DOUBLER		
1	1	11	647.0111	PANEL		
2	2	10	647.0113	STRUT DOUBLER		
8	8	9	647.0112	STRUT BRACKET		
4	4	8	646.9910	STRUT		
2	2	7	647.0310	CHANNEL		
1	1	6	647.0110	ROOF DOUBLER		
1	1	5	647.0210	RAIL		
1	1	4	646.9810	DEFLECTOR		
1	1	3	646.9603	LOWER CUTTER ASSY LOW		
1	1	2	646.9602	LOWER CUTTER ASSY HIGH		
1	1	1	646.9601	UPPER CUTTER ASSY		
			646.9502	206 CABLE CUTTERS KIT LOW		
			646.9501	206 CABLE CUTTERS KIT HIGH		
1902	9501	FIND #	PART #	DESCRIPTION	MATL	SPEC

	1	1	49	601.1066	RIVET	CR3712-6-4	
	1	1	48	600.0991	MAGNABOND 6398 PART B		
	1	1	47	600.0990	MAGNABOND 6398 PART A		
	1	1	46	600.1012	SEALANT	FM-1425 CLASS B	
	5	5	45	601.1949	SCREW	M52703P-1-11	
	2	2	44	601.2989	SCREW	M52703P-0612	
	4	4	43	601.2987	SCREW	M52703P-0309	
	4	4	42	601.3000	SCREW	M52703P-0904	
Q502	Q501	FIN#	PART #	DESCRIPTION	MATL	SPEC.	

QTY	OFFICIAL DATE	PARTS LIST	
NEXT ASSY (S)	DATE RECEIVED	APICAL INDUSTRIES	
	OFFICIAL TIME	2608 TEMPLE HEIGHTS DR.	
	OFFICIAL PRICE	OCEANSIDE, CA. 92056-3512 (760) 724-5300	
	OFFICIAL QUANTITY	206 CABLE CUTTERS KIT	
	OFFICIAL APPROVAL		
	OFFICIAL SIGNATURE		
	OFFICIAL COMMENTS		
	OFFICIAL CHECKED	SEL CABLE CODE	DWG NO.
	OFFICIAL CHECKED	67424	646.9500
	OFFICIAL CHECKED	S/F	APICAL INDUSTRIES
	OFFICIAL CHECKED	SHEET 1 OF 9	

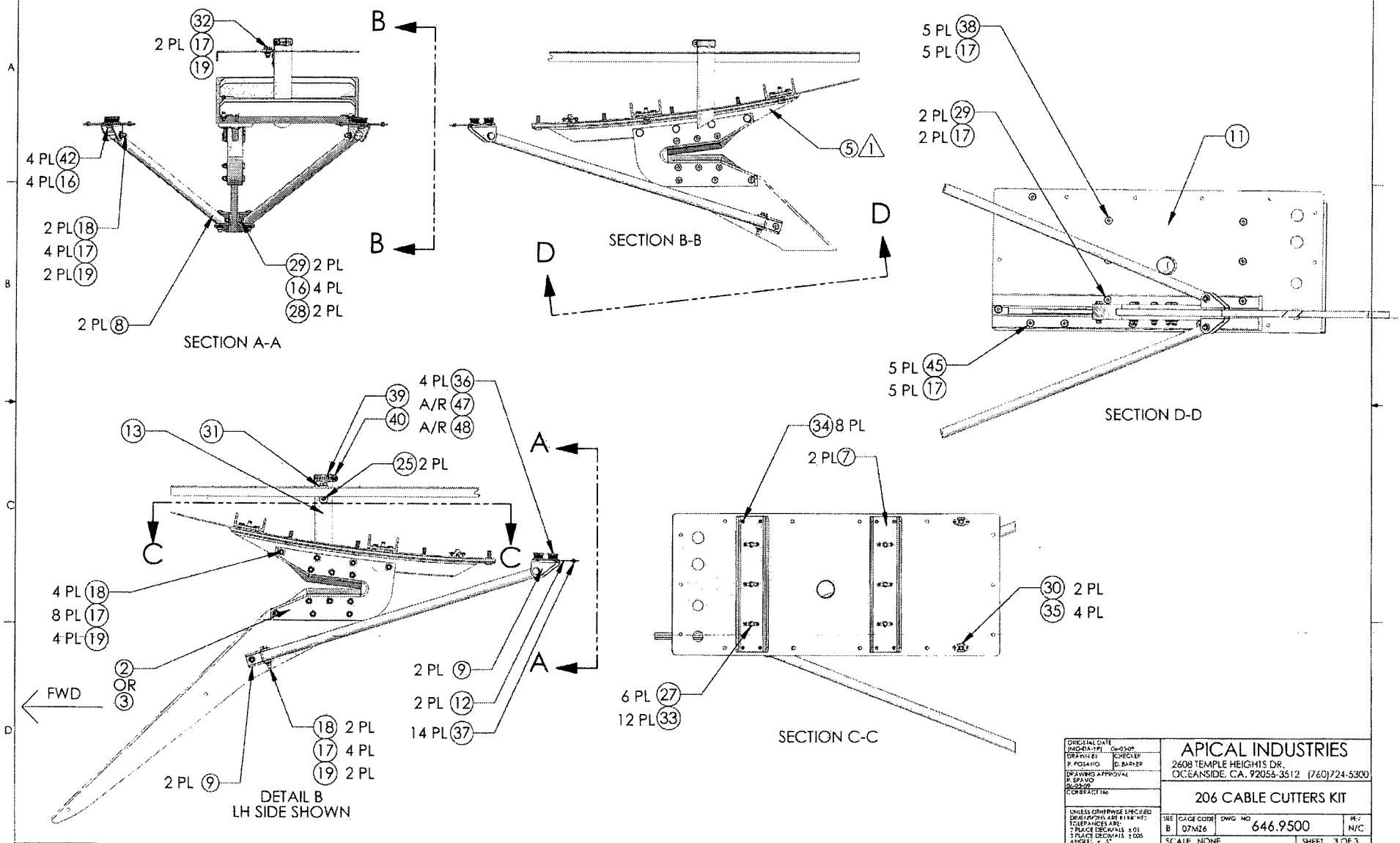
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED



DETAIL A
SHOWN ISOMETRICALLY

(PROJECT) DATE WQ004-198	APICAL INDUSTRIES		
DRAWN BY P. HOSKINS JR.	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760)724-5300		
CHECKED BY J. BARNER			
DESIGNING APPROVAL P. REAVIN			
ISSUED TO CONTRACT #16			
206 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS CABLE CUTTERS & DOGS AS SHOWN			
SIZE	CASE CODE	QTY REQD.	P.R. N/C
	07M16	646.9500	
SCALE NONE		SHEET	2 OF 3

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



ORIGINAL DATE		APICAL INDUSTRIES	
DRAWN BY: C. POSAHO		2608 TEMPLE HEIGHTS DR.	
CHECKED BY: D. BARBER		OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL		206 CABLE CUTTERS KIT	
P. POSAHO		SCALE: NONE	
DATE: 8/23/90		SHEET: 3 OF 3	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED			
DRAWING DIMENSIONS ARE IN INCHES			
TOLERANCES ARE:			
7 PLACE DECIMALS ±0.1			
3 PLACE DECIMALS ±0.005			
ANGLES: ± 1°			

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES AND REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

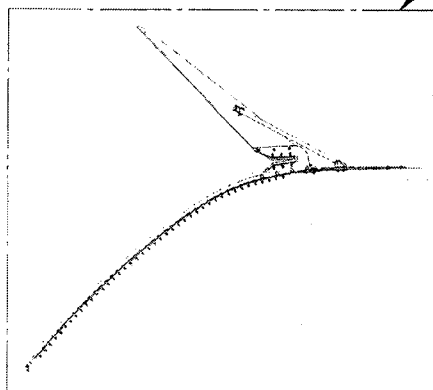
NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

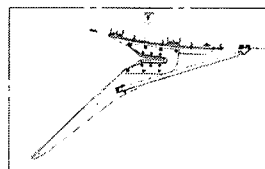
UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B



QTY	REV	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	47	601.1066	RIVET	CR3212 4-4	
1	1	48	600.0991	MAGNEBOROND ASSY PART B		
1	1	47	600.0990	MAGNEBOROND ASSY PART A		
1	1	46	600.1012	SEALANT	PR-405CLASSE	
5	5	45	601.1949	SCREW	MS27039-1-1	
2	2	44	601.2989	SCREW	MS27039-1-1	
4	4	43	601.2987	SCREW	MS27039-1-1	
4	4	42	601.3000	SCREW	MS27039-1-1	

REV	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISED FOR PRO		1/1/00
2	INITIAL RELEASE	02/03/00	D. SPAYO

QTY	REV	FIND #	PART #	DESCRIPTION	MATL	SPEC.
47	47	41	601.2893	SCREW	MS27039-1-1	
1	1	40	601.2982	HOSE CLAMP	MS35642-1-1	
1	1	39	647.1210	SCREEN		
5	5	38	601.1621	SCREW	MS27039-1-1	
14	14	37	601.2979	RIVET	CR3212 4-4	
4	4	36	601.2984	INSECT	MS1835-08	
4	4	35	601.2277	RIVET	CR3212 4-4	
8	8	34	601.2983	RIVET	CR3212 4-4	
12	12	33	601.2980	NUTPLATE RIVET	CR3212 4-4	
1	1	32	601.2822	BOLT	AN3-24	
1	1	31	601.2985	BRACKET	MS27039-1-1	
2	2	30	601.1900	NUTPLATE	MS27039-1-1	
6	6	29	601.2988	SCREW	MS27039-1-1	
53	53	28	601.2973	LOCKNUT	MS27042-08	
6	6	27	600.0795	NUTPLATE	MS27042-08	
18	18	26	601.0790	RIVET	CR3212 4-4	
18	18	25	601.1039	RIVET	CR3212 4-4	
19	19	24	601.1915	RIVET	CR3212 4-4	
20	20	23	601.2991	RIVET	CR3212 4-4	
26	26	22	601.1183	RIVET	CR3212 4-4	
4	4	21	601.2356	NUTPLATE	MS27039-1-1	
8	8	20	601.2961	NUTPLATE RIVET	CR3212 4-4	
17	17	19	601.2943	LOCKNUT	MS27042-08	
16	16	18	601.2826	BOLT	AN3-11A	
46	46	17	601.1607	WASHER	MS27039-1-1	
114	114	16	601.2764	WASHER	MS27039-1-1	
1	1	15	647.0115	CLIP		
1	1	14	647.0114	CLIP		
1	1	13	647.0410	TUBE		
2	2	12	647.0116	DOUBLER		
1	1	11	647.0111	PANEL		
2	2	10	647.0113	STRUT DOUBLER		
8	8	9	647.0112	STRUT BRACKET		
4	4	8	646.9910	STRUT		
2	2	7	647.0310	CHANNEL		
1	1	6	647.0110	ROOF DOUBLER		
1	1	5	647.0210	RAIL		
1	1	4	646.9810	DEFLECTOR		
1	1	3	646.9603	LOWER CUTTER ASSY LOW		
1	1	2	646.9602	LOWER CUTTER ASSY HIGH		
1	1	1	646.9601	UPPER CUTTER ASSY		
1	1	1	646.9502	206 CABLE CUTTERS KIT LOW		
1	1	1	646.9501	206 CABLE CUTTERS KIT HIGH		

QTY

NEXT ASSY (S)

CHANGES

DATE

BY

REVISION

APICAL INDUSTRIES

2808 TEMPLE HEIGHTS DR.

OCEANSIDE, CA. 92056-3512 17601724-5300

206 CABLE CUTTERS KIT

646.9500

SCALE: NONE

SHEET 1 OF 3

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
REASON: CORRECTED PARTS LIST ERRORS						

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY:		ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION

DOCUMENTS EFFECTED:	☐ MDL ☒ INSTALL INSTRU ☒ ICA ☐ FMS ☒ BOM	CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO
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